

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: M-107756
Date Received: 03/09/06
Date Extracted: 03/14/06
Date Analyzed: 03/15/06
Matrix: Water
Units: ug/L (ppb)

Client: Alaskan Copper Works
Project: Metro Self Monitor, PO# M107756
Lab ID: 603105-01 10x
Data File: 603105-01 10x.014
Instrument: ICPMS1
Operator: btb

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Scantium	101	60	125
Indium	97	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	95.9
Nickel	69.3
Copper	127
Zinc	<10

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Alaskan Copper Works
Date Received:	Not Applicable	Project:	Metro Self Monitor, PO# M107756
Date Extracted:	03/14/06	Lab ID:	I6-182 mb
Date Analyzed:	03/15/06	Data File:	I6-182 mb.006
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	btb

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Scantium	114	60	125
Indium	107	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<10
Nickel	<10
Copper	<10
Zinc	<10

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/24/06

Date Received: 03/09/06

Project: Metro Self Monitor, PO# M107756, F&BI 603105

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR METALS BY EPA METHOD 200.8

Laboratory Code: 603119-02 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	22.4	20.6	8	0-20
Nickel	ug/L (ppb)	2.22	2.43	9	0-20
Copper	ug/L (ppb)	<1	<1	nm	0-20
Zinc	ug/L (ppb)	33.0	31.4	5	0-20

Laboratory Code: 603119-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	22.4	56	50-150
Nickel	ug/L (ppb)	20	2.22	73	50-150
Copper	ug/L (ppb)	20	<1	84	50-150
Zinc	ug/L (ppb)	50	33.0	111	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	88	70-130
Nickel	ug/L (ppb)	20	102	70-130
Copper	ug/L (ppb)	20	102	70-130
Zinc	ug/L (ppb)	50	98	70-130

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

603105

SAMPLE CHAIN OF CUSTODY

ME 03/09/06

AIS

Send Report To Gerard Thompson
 Company Alaskan Copper Works
 Address 628 S. Henderson St
 City, State, ZIP Seattle WA 98134
 Phone # (206) 382-8379 Fax # (206) 382-4309

SAMPLERS (signature)

PROJECT NAME/NO.
METRO SELF MONITOR
Grab

PO #
M-107756

REMARKS

Page # _____ of _____

TURNAROUND TIME

- ☐ Standard (2 Weeks)
☐ RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL

- ☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes	
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS						
M-107756		3/9/06	12:30	H2O	1							CEC, MTN					

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <u>[Signature]</u>	<u>G. Thompson</u>	<u>ACW</u>	<u>3/9/06</u>	<u>4:00pm</u>
Received by: <u>[Signature]</u>	<u>Dhan Pham</u>	<u>FBI</u>	<u>3/9/06</u>	<u>4:00</u>
Relinquished by:				
Received by:				

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

March 24, 2006

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on March 9, 2006 from the Metro Self Monitor, PO# M107756, F&BI 603105 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
ACU0324R.DOC